Manufacturer:

AQUA MIX INC.

9419 ANN STREET

SANTA FE SPRINGS, CA 90670

Information Phone: 800-366-6877

24-HR. CHEMICAL EMERGENCIES SPILL, LEAK, and FIRE EXPOSURES CHEMTREC: 800-424-9300

Product: PHOSPHORIC ACID CLEANER

SECTION I – PRODUCT IDENTITY

Trade Name: Phosphoric Acid Cleaner

DOT Information: UN Number: 1805 (See Note: 1)

Classification: Class 8, Corrosive Proper Shipping Name: Phosphoric Acid

Packaging Group: III

Hazard Rating:

FIRE 0 REACTIVITY - 0 TOXICITY 2 ACI 4 - Extreme 3 - High 2 - Moderate 1 - Slight 0 - Insignificant

** These values are obtained using the guidelines from the National Fire Protection Association or the National Paint and Coating Association

SECTION II – HAZARDOUS INGREDIENTS

Phosphoric Acid -- Approximately 23% by volume. (See Note: 2,3)

CAS #: 7664-38-2

Common names: No synonyms. Exposure Limits: OSHA PEL: 1mg/m³

ACGIH TLV: 1mg/m³ STEL: 3mg/m³

SECTION III - PHYSICAL & CHEMICAL DATA

Boiling Point: $214^{\circ}F/101^{\circ}C$ Melting Point:Not ApplicableVapor Pressure (mmHg):30 mmSolubility in H_2O :CompleteSpecific Gravity ($H_2O = 1$):1.126Evaporation Rate:< 1

pH: Evaporation Rate: <1
Vapor Density: Not Applicable

Appearance & Odor: Pink, clear liquid with mild odor.³ VOC (g/L): 15

SECTION IV - FIRE & EXPLOSION DATA

Flash Point: None Open/Closed: Not Applicable
Flammable Limits: LEL: Undetermined UEL: Undetermined
Fire extinguishing materials: Water fog, carbon dioxide, dry chemical or foam.

Special fire fighting procedures: None

Unusual fire and explosion hazards: Acid reacts with most metals to form hydrogen gas.

SECTION V - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to avoid):Alkaline Material

Hazardous byproducts of decomposition/combustion: None

Hazardous polymerization: Will not occur

SECTION VI - HEALTH HAZARD DATA

Routes of Exposure & Effects

Skin: Brief contact will dry skin. Prolonged or repeated contact could cause irritation, redness, drying.

Eye: Liquid and mists will irritate the eyes and may cause tearing or burning.

Ingestion: Ingestion may cause irritation of throat and digestive tract.

Inhalation: Mists may cause irritation of nose, throat and mucous membranes. May cause coughing or chest discomfort.

Acute & Chronic Overexposure Effects

Acute: Mild to moderate irritation of eyes, skin and mucous membranes.

Chronic: May cause primary irritant dermatitis. <u>Medical Conditions Generally Aggravated by Exposure:</u>

Persons with pre-existing eye, skin, and respiratory disorders may be more susceptible to effects of phosphoric acid.

Toxicity Data: No components listed as carcinogenic with: OSHA, IARCM or NTP

EMERGENCY & FIRST AID PROCEDURES:

EYES: Immediately flush eyes with copious amounts of water. Seek medical attention.

SKIN: Wash with soap and water. If irritation persists seek medical attention. INHALED: Relocate to fresh air. If irritation persists seek medical attention.

INGESTION: DO NOT INDUCE VOMITING! Drink 1 or 2 glasses of water. If spontaneous vomiting is inevitable, prevent

aspiration by keeping the victim's head below knees. Seek immediate medical attention.

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SECTION VII - PERSONAL PROTECTION

Ventilation & Exhaust: No special requirements.

Respiratory Protection: If spraying or atomizing, use a NIOSH approved high-efficiency respirator rated for mists, dusts,

and particulates.

Eye Protection: Wear chemical goggles or safety glasses with face-shield to prevent eye contact.

Gloves: Wear rubber or nitrile gloves.

Use as necessary to prevent skin contact; rubber boots, impermeable apron or coveralls. **Other Clothing or Equipment:**

Work/Hygienic Practice: Normal safe work practices should be exercised when using this product, including washing hands

or affected areas and removal of affected clothing.

SECTION VIII - SAFE HANDLING & USE

Storage & Handling: Store in cool, dry location. Avoid alkaline materials.

Spills or leaks: Soak up with compatible absorbent material (sand, clay litter, diatomaceous earth). Waste Disposal: Dispose materials in accordance with all applicable local, state and federal regulations.

SECTION IX - REGULATORY & SHIPPING

EPA Reg. No.: EPA Est. No.: Not Regulated Not Regulated

Hazardous Materials Descriptions and Proper Shipping Names: Phosphoric Acid.

Hazard Class: Packaging Groups: Ш

UN Identification -1805 (See Note: 6) Labels - Corrosive

Ltd. Qty.: Y819 IATA Instructions -Passenger & Cargo: 819 Cargo Only: 821 Special Provisions: None

Packaging Exceptions: - Non-Bulk: 173.203 Bulk: 173.241 Vessel Stowage -Location: N/A Other: N/A



UK/EC Labeling:

Symbol: C; Corrosive

Risk Phrase: R: 34

Safety Phrase: S: (1/2-)26-45

TEC: (R)-80G01 ICSC: 1008

North American Emergency Response Guide #: 154

SECTION X – OTHER INFORMATION

The aforementioned is believed to be correct as of the date hereof; however, no warranty is made, express or implied, regarding the accuracy of this document, since the information contained herein may be applied under conditions beyond our control and under conditions with which we may be unfamiliar. Since data made available subsequent to the date hereof may suggest modification of the information, recipients are advised to determine in advance the suitability of the material for their precise purposes and on the condition that they assume the risk of use thereof.

Notes (Not intended to be all inclusive):

Note 1: This chemical may be subject to the reporting requirements of Section 313 of SARA TITLE III.

Ingredient on Massachusetts Hazardous Substance & Extraordinarily Hazardous Substances List. Note 2:

Ingredient on the Pennsylvania Hazardous Substance and Special Hazardous Substances Lists. Note 3:

This chemical may be subject to the provisions of WHMIS in Canada. Note 4:

Note 5 This chemical may be absorbed through the skin, eyes, or mucous membranes contributing to overall exposure.

Note 6: Also, ORM-D; quantity limit restrictions.

Abbreviations (if used):

OSHA Occupational Safety and Health Administration

PEL. Permissible Exposure Limits

ACGIH American Conference of Governmental Industrial Hygienists

Threshold Limit Value TLV NTP National Toxicology Program

IARCM Int'l Agency for Research on Cancer Monographs WHMIS Workplace Hazardous Material Information System

Transportation Emergency Card TEC ICSC International Chemical Safety Cards

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